

FORM PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark Office

Attorney Docket No.: MIT-04488

Serial No.: 09/617,556

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Use Several Sheets If Necessary)Applicant: Douglas P. Hart *et al.*

(37 CFR § 1.98(b))

Filing Date: 07/17/00

Group Art Unit: 3629 3679

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
B	1	1,876,520	9/06/32	Newkirk <i>et al.</i>			4/22/31
B	2	2,009,281	7/23/35	Stein			10/15/32
B	3	2,233,902	3/04/41	Schmied			1/28/39
B	4	2,489,715	11/29/49	Mark <i>et al.</i>			11/18/44
B	5	3,312,376	4/04/67	Rooney			7/02/65
B	6	3,497,225	2/24/70	Workman			9/26/67
B	7	3,523,682	8/11/70	Jensen			8/12/68
B	8	3,572,730	3/30/71	Otto <i>et al.</i>	277	96	6/13/69
B	9	3,616,125	10/26/71	Bowling	161	53	5/04/70
B	10	3,704,019	11/28/72	McHugh	277	27	6/19/70
B	11	3,744,805	7/10/73	Heinrich	277	96	8/02/71
B	12	3,973,781	8/10/76	Grörich	277	134	5/21/73
B	13	4,084,826	4/18/78	Vossieck <i>et al.</i>	277	134	12/17/76
B	14	4,288,083	9/08/81	Braconier	277	134	2/07/80
B	15	4,491,331	1/01/85	Salant <i>et al.</i>	277	96.1	2/13/84
B	16	4,447,064	5/08/84	Ehrmann <i>et al.</i>	277	134	8/06/82
B	17	4,560,174	12/24/85	Bisi	277	92	12/02/83
B	18	4,610,319	9/09/86	Kalsi	175	371	10/15/84
B	19	4,619,534	10/28/86	Daly <i>et al.</i>	284	94	9/12/84
B	20	4,856,794	8/15/89	Boyers <i>et al.</i>	277	37	7/23/87
B	21	4,973,068	11/27/90	Lebeck	277	236	5/26/89
B	22	5,069,509	12/03/91	Johnson <i>et al.</i>	305	58	6/18/90
B	23	5,090,713	2/25/92	Johnson	277	166	12/24/90
B	24	5,195,754	3/23/93	Dietle	277	27	5/20/91
B	25	5,222,743	6/29/93	Goldwain <i>et al.</i>	277	96.1	1/31/92
B	26	5,230,520	7/27/93	Dietle <i>et al.</i>	277	134	3/13/92
B	27	5,322,299	6/21/94	Terai	277	235	9/30/93
B	28	5,380,016	1/10/95	Reinsma <i>et al.</i>	277	162	11/12/92
B	29	5,454,572	10/03/95	Pospisil	277	65	9/06/94
B	30	5,498,007	3/12/96	Kulkarni <i>et al.</i>	277	96.1	2/01/94
B	31	5,678,829	10/21/97	Kalsi <i>et al.</i>	277	134	6/07/96
B	32	5,738,358	4/14/98	Kalsi <i>et al.</i>	277	545	1/02/96
B	33	5,823,541	10/20/98	Dietle <i>et al.</i>	277	320	3/12/96

Examiner: BINDA

Date Considered: 13 MAY 2003

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PART OF PAPER #16

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FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation	
							Yes	No
B	34	1215221	9.12.70	U.K.	-	-		
B	35	WO95/03504	2.02.95	PCT WIPO	-	-		
B	36	WO97/01721	16.01.97	PCT WIPO	-	-		

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

B	37	Roberts "No Gap" Piston Rings specification sheet, Roberts Manufacturing Company, St. Louis, Missouri, 3/1943						
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